

predetermined input format, calculates arrival time and departure time at/from each stop for each travel route and for each vehicle ID, and outputs the arrival time and departure time in a predetermined output format; and

a route guide database that stores route guide data including the departure time and the arrival time of each stop and each vehicle outputted from said travel data processing means, said route guide data that is stored in said route guide database classified into a plurality of data groups based on conditions at the time when said travel data is acquired and stored”

(2) Claim 5 is deleted.

(3) Claim 6 is amended to “A route guide data creation device according to claim 1 or 2, wherein the conditions at the time when said travel data is acquired include weather and/or day, and date.”

(4) Claim 7 is amended to “A route guide data creation device according to claim 1 or 2, wherein said travel data processing means sorts the acquired travel data into order of departure time after sorting the acquired travel data into an order of vehicle ID and order of route code, and calculates departing time and arriving time for each section between stops.”

(5) Claim 8 is amended to “A route guide data creation method for acquiring travel data transmitted from a vehicle that travels on a road according to a predetermined travel route and travel time, and creating route guide data based on the acquired predetermined travel data, comprising:

a step for acquiring travel data over a predetermined period of time, the travel data transmitted from a vehicle that travels on a road;

a step for inputting data formatted from the acquired travel data to a predetermined input format into operation processing means;

a step for calculating arrival time and departure time at/from each stop for each vehicle ID from said inputted travel data;

a step for outputting the arrival time and departure time at/from each stop, which are calculated for each vehicle ID, in a predetermined output format; and

a step for classifying the route guide data, including the departure time and the arrival time of each vehicle from/at each stop, outputted from said travel data processing means based on the conditions at the time when the travel data is acquired, and storing in a route guide database.”

(6) Claim 12 is deleted.

(7) Claim 13 is amended to “A route guide data creation method according to claim 8 or 9, wherein the conditions at the time when the travel data is acquired include weather and/or day, and date.”

(8) Claim 14 is amended to “A route guide data creation method according to claim 8 or 9, wherein the step for calculating arrival time and departure time at/from each stop for each vehicle ID from said inputted travel data includes a step for sorting the acquired travel data into order of departure time after sorting the acquired travel data into order of vehicle ID and order of route code, and calculating departing time and arriving time for each section between stops.”

(9) Claim 15 is amended to “A route guide distribution device, comprising:
a route guide database in which route guide data on a vehicle that travels on a road according to predetermined travel route and travel time is stored; and
distribution means for distributing a route guide in response to a route guide request from a mobile terminal based on the route guide data stored in said database, said route guide database storing route guide data including arrival time and departure time at/from each stop for each vehicle ID calculated for each travel route based on travel data acquired from a vehicle that travels on a road over a predetermined period of time, said route guide data classified into a plurality of data groups based on conditions at the time when said travel data is acquired.”

(10) Claim 17 is deleted.

(11) Claim 18 is amended to “A route guide distribution device according to claim 16, wherein the conditions at the time when said travel data is acquired include weather and/or day, and date.”

(12) Line 11 through line 22 on page 5 of the specification are amended to “To resolve the above problems, an invention claimed in claim 1 of this application is a route guide data creation device that acquires travel data transmitted from a vehicle that travels on a road according to predetermined travel route and travel time, and creates route guide data based on the acquired predetermined travel data. Said route guide data creation device comprises travel data acquisition means that acquires said travel data over a predetermined period of time, travel data processing means that receives data formatted from said travel data into a predetermined input format, calculates arrival time and departure time for each travel route and each vehicle

ID, and outputs the arrival time and departure time in a predetermined output format, and a route guide database that stores route guide data including the departure time and the arrival time of each stop and each vehicle outputted from said travel data processing means, said route guide data that is stored in said route guide database classified into a plurality of data groups based on conditions at the time when said travel data is acquired and stored.”

(13) Line 4 through line 6 on page 6 of the specification are deleted.

(14) Line 7 through line 9 on page 6 of the specification are amended to “An invention claimed in claim 6 of this application is a route guide data creation device according to claim 1 or 2, wherein the conditions at the time when the travel data is acquired include weather and/or day, and date.”

(15) Line 13 through line 28 on page 6 of the specification are amended to “An invention claimed in claim 8 of this application is a route guide data creation method for acquiring travel data transmitted from a vehicle that travels on a road according to a predetermined travel route and travel time, and creating route guide data based on the acquired predetermined travel data, including,

a step for acquiring travel data over a predetermined period of time, the travel data being transmitted from a vehicle that travels on a road,

a step for inputting data formatted from the acquired travel data to a predetermined input format into operation processing means,

a step for calculating arrival time and departure time at/from each stop for each vehicle ID from said inputted travel data,

a step for outputting the arrival time and departure time at/from each stop, which are calculated for each vehicle ID, in a predetermined output format, and

a step for classifying the route guide data, including the departure time and the arrival time of each vehicle from/at each stop, outputted from said travel data processing means based on the conditions at the time when the travel data is acquired, and storing in a route guide database.”

(16) Line 10 through line 12 on page 7 of the specification are deleted.

(17) Line 13 through line 15 on page 7 of the specification are amended to “An invention claimed in claim 13 of this application is a route guide data creation method according to claim 8 or 9, wherein the conditions at the time when the travel data is acquired include weather and/or day, and date.”

(18) Line 21 on page 7 through line 1 on page 8 of the specification are amended to “A route guide distribution device, comprising a route guide database in which route guide data on a vehicle that travels on a road according to a predetermined travel route and travel time is stored, and distribution means for distributing route guide in response to a route guide request from a mobile terminal based on the route guide data stored in said database, said route guide database storing route guide data including arrival time and departure time at/from each stop for each vehicle ID calculated for each travel route based on travel data acquired from a vehicle that travels on a road over a predetermined period of time, said route guide data classified into a plurality of data groups based on conditions at the time when said travel data is acquired.”

(19) Line 6 through line 8 on page 8 of the specification are deleted.

(20) Line 9 through line 11 on page 8 of the specification are amended to “An invention claimed in claim 18 of this application is a route guide distribution device according to claim 16, wherein said conditions at the time when travel data is acquired include weather and/or day, and date.”

(21) Line 17 through line 28 on page 8 of the specification are amended to “In the invention claimed in claim 1, the route guide data creation device acquires travel data transmitted from a vehicle that travels on a road according to a predetermined travel route and travel time over a predetermined period of time, the travel data processing means calculates arrival time and departure time at/from each stop for each travel route and each vehicle ID from the acquired travel data, and outputs in a predetermined output format, and route guide database stores route guide data including departure time and arrival time from/at each vehicle at each stop, said route guide data classified into a plurality of data groups based on conditions at the time when said travel data is acquired. Therefore, route guide data similar to a timetable in a train system can be created based on travel data of an actual vehicle. Moreover, the route guide data created in such a way is based on a result of actual operation, and has an advantage when the route guide data is used for route search in a route guide, that is, providing a search result based on a result of actual operation although the route guide data is different from the operation plan because of road conditions or weather for the period in which the travel data is acquired.”

(22) Line 16 through line 21 on page 9 of the specification are deleted.

(23) Line 22 through line 27 on page 9 of the specification are amended to “Furthermore, in the

invention claimed in claim 6, the condition at the time when said travel data is acquired in the invention of claim 1 or 2 includes weather and/or day, and date. Therefore, route guide data corresponding to a condition at the time when route guide is performed can be selected and used. For example, when route guide is performed on a weekday at the end of a month, data for a route guide similar to an actual condition can be provided by using route guide data created based on travel data acquired on a weekday at the end of a month."

(24) Line 4 through line 15 on page 10 of the specification are amended to "Furthermore, the invention claimed in claim 8 is a route guide data creation method for acquiring travel data transmitted from a vehicle that travels on a road according to a predetermined travel route and travel time over a predetermined period of time, calculating arrival time and departure time at/from each stop for each travel route and each vehicle ID by the travel data processing means based on the acquired travel data, outputting in a predetermined output format, and classifying route guide data including the departure time and the arrival time of each vehicle at each stop based on the conditions at the time when the travel data is acquired, and storing in a route guide database. Therefore, route guide data similar to a timetable in a train system can be created based on travel data of an actual vehicle. Moreover, the route guide data created in such a way is based on a result of actual operation, and has an advantage when the route guide data is used for route search in a route guide, that is, providing a search result based on a result of actual operation although the route guide data is different from the operation plan because of road conditions or weather for the period in which the travel data is acquired."

(25) Line 3 through line 9 on page 11 of the specification are deleted.

(26) Line 10 through line 15 on page 11 of the specification are amended to "Furthermore, in the invention claimed in claim 13, the condition at the time when said travel data is acquired in the invention of claim 8 or 9 includes weather and/or day, and date. Therefore, route guide data corresponding to a condition at the time when a route guide is performed can be selected and used. For example, when a route guide is performed on a weekday at the end of a month, data for route guide similar to an actual condition can be provided by using route guide data created based on travel data acquired on a weekday at the end of a month."

(27) Line 20 on page 11 through line 1 on page 12 of the specification are amended to "Furthermore, the invention claimed in claim 15 includes a route guide database in which route guide data on a vehicle that travels on a road according to a predetermined travel route and travel time is stored, said route guide database storing route guide data including arrival time

and departure time at/from each stop for each vehicle ID calculated for each travel route based on travel data acquired from a vehicle that travels on a road over a predetermined period of time as route guide data, said route guide data classified into a plurality of data groups based on conditions at the time when said travel data is acquired, and distributes a route guide in response to a route guide request from a mobile terminal based on the route guide data stored in said database. Therefore, route guide data similar to a timetable in a train system can be created based on travel data of an actual vehicle. As a result, the present invention has an advantage of providing a search result based on a result of actual operation."

(28) Line 8 through line 13 on page 12 of the specification are deleted.

(29) Line 14 through line 19 on page 12 of the specification are amended to "Furthermore, in the invention claimed in claim 18, said conditions at the time when travel data is acquired in the invention of claim 16 include weather and/or day, and date. Therefore, route guide data corresponding to a condition at the time when route guide is performed can be selected and used. For example, when a route guide is performed on a weekday at the end of a month, data for a route guide similar to an actual condition can be provided by using route guide data created based on travel data acquired on a weekday at the end of a month."

6. List of Attached Documents

- (1) Page 5 through page 12 of the specification
- (2) Page 21 through page 23 of claims